

Applicant : Ralph Beyer et al.
For : LARGE PACKAGE FOR THE TRANSPORT AND STORAGE OF
INSULATION ELEMENTS AND COMBINED IN MODULES
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In the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

1-23. (canceled)

24. (new) A large package for the transport and storage of insulation components comprising:

modules arranged side by side, each module comprising a plurality of insulation elements combined by a film covering, the modules being tied by wrapping elements to form a storage and transport unit;

the modules being entirely protected against water ingress by a waterproof covering completely encasing the modules.

25. (new) The large package according to claim 24, wherein:
the waterproof covering completely encloses the insulation elements.

26. (new) The large package according to claim 24, wherein:
the waterproof covering is composed of a film or foil.

27. (new) The large package according to claim 26, wherein:
the film or foil comprises polyethylene, polyvinyl chloride, polypropylene, polyester or polyamide.

28. (new) The large package according to claim 24, wherein:
the waterproof covering is composed of a moisture-adaptive material whose water-vapor diffusion resistance is dependent on a relative humidity of a surrounding atmosphere.

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29. (new) The large package according to claim 28, wherein:

when the relative humidity of the atmosphere surrounding the film covering is in the range from 30 to 50%, the material has a water-vapor diffusion resistance of 2 to 5 m diffusion-equivalent air-layer thickness and when the relative humidity is in the range from 60 to 80%, the material has a water-vapor diffusion resistance of < 1 m diffusion-equivalent air-layer thickness.

30. (new) The large package according to claim 28, wherein:

the material is composed of film or foil.

31. (new) The large package according to claim 30, wherein:

the material is film or foil comprising polyamide.

32. (new) The large package according to claim 24, wherein:

at least two of the modules are arranged alternately upright and lying flat.

33. (new) The large package according to claim 24, wherein:

the modules are arranged upright but offset relative to each other.

34. (new) The large package according to claim 24, wherein:

the insulation elements are packaged under a compression ratio above 1: 3.5.

35. (new) The large package according to claim 24, wherein:

the waterproof covering is welded, shrunk or bonded in an overlap area.

36. (new) The large package according to claim 24, wherein:

the waterproof covering is composed of film which is self-adhesive in an overlap area and which welds on making contact, without additionally requiring an adhesive.

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37. (new) The large package according to claim 35, wherein:
an excess portion of the waterproof covering projects outwards, at least in parts, to form a rib-like gripping edge, thus making it possible to grip the module at the gripping edge.
38. (new) The large package according to claim 37, wherein:
the rib-like gripping edge is provided with openings spaced to allow the gripping edge to be grabbed.
39. (new) The large package according to claim 37, wherein:
the excess portion as measured from a glue line or weld to an edge of the film is at least 5 cm.
40. (new) The large package according to claim 24, wherein:
the modules do not have a pallet and the modules are stacked and have a waterproof packaging, with the modules being held together by retainers.
41. (new) The large package according to claim 40, wherein:
an interposing layer is provided between layers of the modules as a lifting point for a fork lift.
42. (new) The large package according to claim 41, wherein:
the interposing layer comprises cardboard, mineral wool in the form of a panel, or plastic.
43. (new) The large package according to claim 24, wherein:
the waterproof covering is permeable to water vapor.

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44. (new) The large package according to claim 24, wherein:
each insulation element comprises an insulation roll.
45. (new) The large package according to claim 24, wherein:
each insulation element comprises a plurality of insulation panels.
46. (new) A module for the transport and storage of insulation elements contained in a covering, with the module being protected in its entirety against water ingress by a waterproof covering that completely encases the module.
47. (new) The module according to claim 46, wherein:
the covering is permeable to water vapor.
48. (new) A method of transporting and using insulation elements comprising:
providing a module for the transport and storage of the insulation elements;
covering the module with a waterproof covering, with the module being protected in its entirety against water ingress by the waterproof covering that completely encases the module;
and
disposing of the waterproof covering by using the waterproof covering as a vapor barrier for a high-pitched roof.
49. (new) The method according to claim 48, wherein:
the waterproof covering is permeable to water vapor.